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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/828,271

04/21/2004

Yin-Hung Chen

OP-093000198

5444

7590

02/10/2006

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Fairfax, VA 22033

EXAMINER

NGUYEN, HUNG THANH

ART UNIT

PAPER NUMBER

2841

DATE MAILED: 02/10/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

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Office Action Summary

Application No.

10/828,271

Applicant(s)

CHEN, YIN-HUNG

Examiner

HUNG T. NGUYEN

Art Unit

2841

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 14 December 2005.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1 and 2 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-2 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☐ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____



DETAILED ACTION

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 1-2 are rejected under 35 U.S.C. 103(a) as being unpatentable over Askeland et al. (US 6,914,779) in view of Cusato et al. (US 5,406,453).

Regard claim 1: Askeland et al. discloses in figures 1-5, a computer casing having a front board, a back board, a bottom board, a top board, a left side board and a right side board, comprising: an internal space (area containing 62, 64, 70 and portion 66) formed by the front board (26), the back board (42), the bottom board (48), the top board (34), the left side board (44) and the right side board (46), for mounting a mother board, a CPU (86), a heat dissipating device (88) and plural electrical elements (70, 72, 112) therein, wherein the mother board (64) is mounted on the bottom board (shown in figure 2), the CPU (86) and the plural electrical elements (70, 72, 112) are mounted on the mother board (64) and the heat dissipating device (88) mounted on the CPU (86).

Askeland et al. does not disclose a dent portion formed on the bottom board corresponding to a location of the CPU and the heat dissipating device depressed outwardly from the internal space to provide a structural strength stronger than any other part of the bottom board so that the CPU and the heat dissipating device are

supported to be positioned above the dent portion and the dent portion endures the weight of the heat dissipating device to prevent a shape deformation around on the bottom board.

Cusato et al. discloses in figure 2, a dent portion (the two lines cross at the bottom of element 12) formed on the bottom board corresponding to a location of the CPU and the heat dissipating device depressed outwardly from the internal space to provide a structural strength stronger than any other part of the bottom board so that the CPU and the heat dissipating device are supported to be positioned above the dent portion and the dent portion endures the weight of the heat dissipating device to prevent a shape deformation around on the bottom board.

Askeland and Cusato et al. are analogous art because they are from the same field of endeavor to make computer chassis.

Therefore, it would have been obvious for one ordinary skill in the art at the time of the invention to make computer chassis of Askeland et al. to have a dent as taught by Cusato et al. for the benefit of enhancing shock, vibration and stronger strength.

Regard claim 2: Askeland et al. discloses in figure 3 the computer casing further comprising a plurality of fixing elements (98, 99, 100), are used to fix the heat dissipating device (explain in claim 1) to the mother board (explain in claim 1) by passing through the mother board (explain in claim 1) to screw in corresponding pillars respectively.

Askeland et al. does not disclose a plurality of pillars protruded at corners of the dent portion.

Art Unit: 2841

Cusato et al. discloses in figure 4, a plurality of pillars protruded at corners of the dent portion (the two cross lines located on 12 with the four holes use to couple with pillars).

Askeland and Cusato et al. are analogous art because they are from the same field of endeavor to make computer chassis.

Therefore, it would have been obvious for one ordinary skill in the art at the time of the invention to make chassis of Askeland et al. to have pillars as taught by Cusato et al. for the benefit of enhancing shock, vibration and stronger strength.

Response to Arguments

Applicant's arguments with respect to claims 1-2 have been considered but are moot in view of the new ground(s) of rejection.

Relevant Art

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. The Diaz et al. (US 6549397) teaches the Tower Computer With Low Center of Gravity, Hudson et al. (US 5159534) teaches the Electronic Packaging Arrangement, Jackson et al. (US 6452809) teaches Scalable Internet Engine, Lee (US 6396684) teaches Structure of Tower-Type Personal Computer and Ugarelli (US 5261543) teaches Plastic Bottle for Containing both Pressure and Non Pressure.

Conclusion

THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within

Art Unit: 2841

TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to HUNG T. NGUYEN whose telephone number is 571-272-5983. The examiner can normally be reached on 8:00AM-5:30PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, KAMMIE CUNEO can be reached on 571-272-1957. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

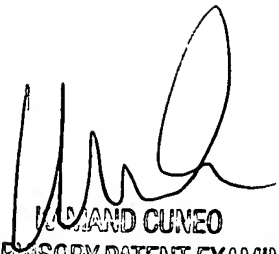
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Application/Control Number: 10/828,271
Art Unit: 2841

Page 6



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